	Application No.	Applicant(s)	Mn
Notice of Allowability	10/676,934	KWAK ET AL.	
	Examiner	Art Unit	
	Thanh V Pham	2823	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communing GHTS. This application is subsection in the community of the commun	nis application. If not include cation will be mailed in due o	d course. <b>THIS</b>
1. This communication is responsive to			
2. ⊠ The allowed claim(s) is/are <u>1-16</u> .			-
3. $\boxtimes$ The drawings filed on <u>09 February 2004</u> are accepted by the	ne Examiner.		
<ul> <li>4. Acknowledgment is made of a claim for foreign priority un</li> <li>a) All b) Some* c) None of the:</li> <li>1. Certified copies of the priority documents have</li> <li>2. Certified copies of the priority documents have</li> <li>3. Copies of the certified copies of the priority documents have</li> <li>International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	been received. been received in Application	No	ion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ENT of this application.		
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>			OTICE OF
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") mus</li> <li>(a) including changes required by the Notice of Draftspers</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Paper No./Mail Date</li> </ol>	on's Patent Drawing Review (		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			back) of
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			lote the
Attachment(s)	E - Notice of Info	mal Datant Application (DTC	152)
<ol> <li>Notice of References Cited (PTO-892)</li> <li>□ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>	5. ☐ Notice of Infol	mal Patent Application (PTC	<i>)-</i> 102)
	Paper No./M	ail Date	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 09/30/03	<del>-</del>	mendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	_	atement of Reasons for Allov	wance
of Biological Material	9.  Other		

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## Allowable Subject Matter

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1. Claims 1-16 are allowed.

2. The following is an examiner's statement of reasons for allowance: the cited prior art, individually or in combination, does not disclose or suggest all of the claimed elements in the present application wherein the copper depositing and annealing steps are repeated to completely fill the trench and/or via before the structure is planarized.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh V. Pham whose telephone number is 571-272-1866. The examiner can normally be reached on M-T (6:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ਯੂ( TvP 09/27/04

George/Fourson
Primary Examiner